

## DIAGNOSTIC CT APPARATUS FOR MEDICAL USE

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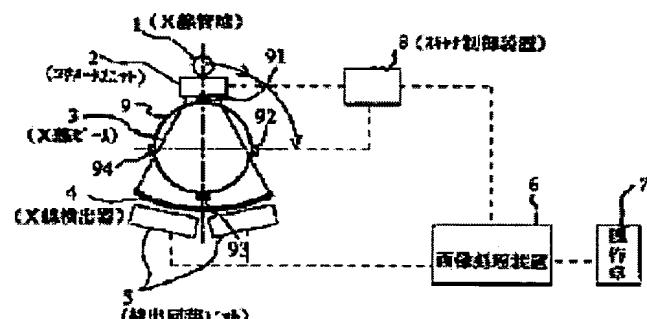
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### Abstract of JP8280664

**PURPOSE:** To obtain a tomogram with high quality to be necessary for accurate diagnosis by holding most appropriately an artifact correcting effect caused by bowl gas correction while the background noises are decreased as much as possible. **CONSTITUTION:** Positional sensors 91-94 are provided in such a way that a measurement can be started at an arbitrary position and from a plurality of angles and the difference in the amt. of decreasing in the longitudinal axial direction and in the transverse axial direction of a body to be photographed is discriminated and from the result of discrimination in the axial direction of the amt. of decreasing, motion artifact correction is performed by using projected data obt. by performing the measurement in such a way that the measurement starting position is set in the direction where the amt. of decreasing is less. In the same way as that, when by discriminating the amt. of decreasing in the axial direction of the measured data and the relation of measurement starting position and the measurement starting position is started from the axial direction where the amt. of decreasing of the body to be photographed, the range of the angle of correction of data processing based on bowl gas correction is made less than the ordinary set width and while the conventional motion artifact correcting effect is kept thereby to various bodies to be photographed, increasing in background noises caused by the motion artifact correction is simultaneously suppressed.



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